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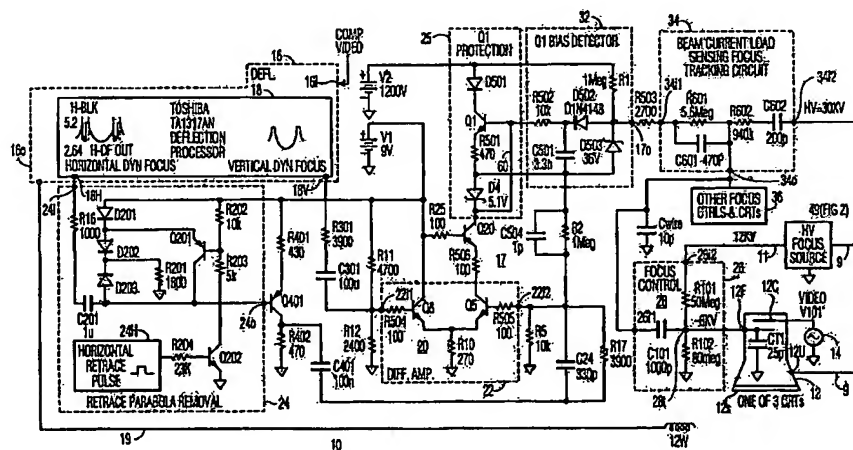
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FOCUS VOLTAGE AMPLIFIER



(57) Abstract: A dynamic focus amplifier for generating a dynamic focus voltage for a focus electrode of a cathode ray tube at a capacitive load includes a source of a periodic signal at a horizontal deflection frequency. A pull-down transistor is responsive to the periodic signal and coupled to the capacitive load for producing, in accordance with the periodic signal, a first portion of the dynamic focus voltage that decreases, during a first portion of a period of the periodic signal. A storage capacitor is coupled to the capacitive load for replenishing a charge stored in the storage capacitor from a charge stored in the capacitive load to develop a control voltage in the storage capacitor. A pull-up transistor is responsive to the control voltage and coupled to a source of a high voltage and to the capacitive load for producing from the high voltage a current that is coupled to the capacitive load. The current develops a second portion of the dynamic focus voltage that increases, during a second portion of the period of the periodic signal, and stores the charge in the capacitive load.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/12176

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G09G 1/04

US CL : 315/368.21, 382, 292.1, 387, 403

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 315/368.21, 382, 292.1, 387, 403

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,278,246 B1 (GEORGE) 21 August 2001 (21.08.2001), see entire document.	1-11
Y	US 6,256,074 B1 (WILBER et al.) 03 July 2001 (03.07.2001), see entire document.	1-11
Y	US 6,118,233 A (CRAIG et al.) 12 September 2000 (12.09.2000), see entire document.	1-11
Y	US 5,227,701 A (McINTYRE) 13 July 1993 (13.07.1993), see entire document.	1-11

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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